

The University of Missouri Undergraduate Scholarship Program in Nuclear Engineering and Health Physics

Executive Summary:

The Nuclear Science and Engineering Institute (NSEI) at the University of Missouri-Columbia is requesting 20 scholarships over the two years to educate and train undergraduate students in the area related to nuclear energy. Although the Nuclear Engineering Program (at NSEI) is a graduate program offering MS and PhD degrees in Nuclear Engineering, Health Physics, and Medical Physics since the 1960's, the Institute faculty are engaged with the undergraduate students in a number of ways including teaching several undergraduate courses, supervising their undergraduate honors research projects and engaging them in research both during summer and academic years in nuclear engineering related research. NSEI has also developed a minor in Nuclear Engineering, Health Physics, and Bio-environmental Radiochemistry that has been adopted by a number of engineering departments, Physics, and Chemistry at the University of Missouri campus. NSEI can easily accommodate 20 undergraduate students in its minor programs who will be selected such that they certainly meet and possibly exceed NRC criteria of eligibility. The scholarship recipients will also have the opportunity to work with faculty who are recognized nationally and internationally for their research and scholarly productivity, and they will also have access to the highest powered university research reactor (10 MW_{th}) in the nation for their research and training. The progress of the scholarship recipients will be closely monitored, and the program will be evaluated continually to ensure the success of the scholarship recipients towards their minor degree, and eventual participation in the nuclear industry.

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